What is claimed is:

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to which the vaccine is administered, production of an antibody which recognizes a ganglioside, comprising an amount of ganglioside or oligosaccharide portion thereof conjugated to an immunogenic protein effective to stimulate or enhance antibody production in the subject, an effective amount of adjuvant and a pharmaceutically acceptable vehicle.

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 The vaccine of claim 1, wherein the subject is a human.

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3. The vaccine of claim 1, wherein the ganglioside or oligosaccharide portion thereof is conjugated to Keyhole Limpet Hemocyanin or a derivative of Keyhole Limpet Hemocyanin.

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4. The vaccine of claim 3, wherein the adjuvant is QS-21.

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- The vaccine of claim 3, wherein the ganglioside is selected from the group consisting of GM2, GM3, GD2, GD3, GD3 lactone, O-Acetyl GD3 and GT3.
- 6. The vaccine of claim 3, wherein the ganglioside is GM2.

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7. The vaccine of claim 3, wherein the ganglioside is GD3

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g. The vaccine of claim 5, wherein the effective amount of conjugated ganglioside or conjugated

oligosaccharide portion thereof is an amount between about 1 μ g and about 200 μ g.

- 9. The vaccine of claim 8 wherein the effective amount of conjugated ganglioside or conjugated oligosaccharide portion thereof is an amount between about 50 μg and about 90 μg.
- 10. The vaccine of claim wherein the effective amount of conjugated ganglioside or conjugated oligosaccharide portion thereof is about 70 μ g.
 - 11. The vaccine of claim 8 wherein the effective amount of conjugated ganglioside or conjugated oligosaccharide portion thereof is between about 1 μg and about 10 μg.
 - 12. The vaccine of claim 11 wherein the effective amount of conjugated ganglioside or conjugated oligosaccharide portion thereof is about 7 μ g.

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- 13. The vaccine of claim 5, wherein the adjuvant is QS-21.
- 14. The vaccine of claim 4, wherein the effective amount of QS-21 is an amount between about $10\mu g$ and about 200 μg .
- 15. The vaccine of claim 14 wherein the effective amount of QS-21 is about 100 μ g.
 - 16. The vaccine of claim 14 wherein the effective amount of Q8-21 is about 200 μ g.

- 17. The vaccine of claim 6, wherein the adjuvant is QS-21.
- 18. The vaccine of claim 1, wherein the subject is afflicted with cancer and the antibody produced in the subject upon administration of the vaccine effectively treats the cancer.

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- 19. The vaccine of claim 1, wherein the subject is susceptible to cancer and the antibody produced in the subject upon administration of the vaccine effectively prevents the cancer.
- 20. The vaccine of claim 18 wherein cells of the cancer have gangliosides on their surface.
 - 21. The vaccine of claim 19, wherein, cells of the cancer have gangliosides on their surface.
- 20 22. The vaccine of claim 18, wherein gangliosides are found in the stroma of the cancer.
 - 23. The vaccine of claim 19, wherein gangliosides are found in the stroma of the cancer.
 - 24. The vaccine of claim 18, wherein the cancer is of epithelial origin.
- 25. The vaccine of claim 19, wherein the cancer is of epithelial origin.
 - 26. The vaccine of claim 18, wherein the cancer is of neuroectodermal origin.

- 27. The vaccine of claim 19, wherein the cancer is of neuroectodermal origin.
- 28. The vaccine of claim 26, wherein the cancer of neuroectodermal origin is a melanoma.

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- 29. The vaccine of claim 27, wherein the cancer of neuroectodermal origin is a melanoma.
- 10 30. A method for stimulating or enhancing in a subject production of antibodies which recognize a ganglioside comprising administering to the subject an effective dose of the vaccine of claim 1.
- 15 31. The method of claim 30 wherein the ganglioside is
 - 32. A method for treating cancer in a subject afflicted with cancer comprising administering to the subject an effective dose of the vaccine of claim 18.
 - 33. A method for preventing cancer in a subject susceptible to cancer comprising administering to the subject an effective dose of the vaccine of claim 19.
 - 34. The method of claim 30, 32 or 33, wherein the ganglioside or oligosaccharide portion thereof is conjugated to Keyhole Limpet Hemocyanin or a derivative of Keyhole Limpet Hemocyanin.
 - 35. The method of claim 34 wherein the adjuvant is QS-21.

- 36. The method of claim 32 or 33, wherein cells of the cancer have gangliosides on their surface.
- 37. The method of claim 32 or 33, wherein gangliosides are found in the stroma of the cancer.
 - 38. The method of claim 32 or 33, wherein the cancer is of epithelial origin.
- 39. The method of claim 32 or 33, wherein the cancer is of neuroectodermal origin.
 - 40. The method of claim 39, wherein the cancer of neuroectodermal origin is a melanoma.
 - 41. The method of claim 30 wherein the administering comprises administering at two or more sites.
- 42. The method of claim 41 wherein the administering comprises administering at three sites.
 - 43. The vaccine of claim 3, wherein the ganglioside is GD3.

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